

Curriculum Vitae

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Research topics

- Lipidomics, metabolomics and multiomics
- High-resolution mass spectrometry, LC-MS, multidimensional separation and standardization
- Targets: Lipids, glycolipids, metabolites, biomolecules in plasma, stem cells, plants, tumor microenvironment

Research achievements in numbers

- h-index=10, 23 publications with 8 first, 5 corresponding authorships in Q1 journals
- 3 publications in *Analytical Chemistry* (highest in the field), 2 publications in *Nature protocols*, 7 publication with IF > 6
- Involvement in 5 projects (total budget: ~ 5 million €), 2 self-acquired as PI (budget: 310 000 €)

Higher education

- 07/2013 PhD graduation (passed with distinction)
- 2010-2013 Cooperate PhD thesis at the Division of Analytical Chemistry (University of Natural Resources and Life Sciences, Vienna) and Biomin Research Center (Tulln, Austria). Graduation within the international doctoral programme: *BioToP- Biomolecular Technology of Proteins*
- 2003-2009 Bachelor in *Food Science and Biotechnology* and Master in *Biotechnology* (passed with distinction) at the University of Natural Resources and Life Sciences Vienna (Austria)

Appointments

- Since 07/2019 Permanent senior scientist position: *Department of Analytical Chemistry*, Köllensperger lab, University of Vienna
- 2018 Maternity leave
- 2017 One month invited research stay for labeled lipid analysis using high-resolution MS (Fusion Lumos) at *Thermo Fisher Scientific* Bremen (Germany)
- 2016 Two months collaborative research stay at the *Bioanalytics Research Institute ISAS* Dortmund (Germany) in the Lipidomics research group of Dr. Robert Ahrends

2014-2019	University assistant/PostDoc in the <i>Environmental Analysis</i> group, University of Vienna
2013-2014	Postdoctoral fellow in the <i>Protein Chemistry and Mass Spectrometry</i> group, Institute for molecular Pathology, Biocenter Vienna
2013	3 months research stay at the <i>University of Georgia</i> in Athens (USA) in the Glycomics research group of Prof. Ron Orlando
2010	2 months research stay <i>Federal Institute for Materials Research and Testing</i> in Berlin (Germany) the group of Dr. Norbert Jakubowski
2009	1 semester JOINT STUDY Scholarship at the <i>Griffith University</i> in Brisbane (Australia)

Awards

2020	Publication award 2020 of Austrian Proteomics and Metabolomics Association (1000 €)
2017	Houska Award within the team of Prof. Gunda Köllensperger (150.000 €)
2008	Poster prize at the ICP-MS User Meeting 2008 in Dresden (200 €)

Funding

Acquired third-party funding

2020	PI of the lipidomics project within the FWF research group <i>Tumour microenvironment as target and regulator of metal anticancer drugs</i> (222 000 €, total grant size: 1.5 M €)
2016	Prize AWS Prototype funding Co-PI (90.000 €)

Involvement third-party funding

2013-2014	PostDoc researcher in <i>Chromosome dynamics – unravelling the function of chromosomal domains</i> , SFB F34, Funding: 3 078 444 €
2010-2013	PhD Researcher in FWF Doctoral school <i>Biomolecular Technology of Proteins – BioToP</i> , Project W1224, Funding for 3 months PhD and travel abroad: ~ 30 000 €
2010-2013	PhD Researcher in cooperate FFG project Biomin and BOKU <i>Sustainable approaches to feed & food safety</i> - project numbers: 828013, 834724, 839107, Funding: ~ 200 000 €

Invited presentations

2020	Award lecture, Austrian Proteomic and Metabolomics Research Symposium, Salzburg
2017	Thermo Seminar Series, Bremen (Germany)
2014	Keynote speaker, Austrian Proteomic Research Symposium, Salzburg
2012	AAMSDG meeting, University of Georgia, Complex Carbohydrate Center, Athens (USA)

Other selected activities

- Referee for Analytical Chemistry, JAMS (ACS), Analyst (RSC), Analytical and Bioanalytical Chemistry, Plant Molecular Biology (Springer), Rapid Communication in Mass Spectrometry, Electrophoresis (Wiley), Analytica Chimica Acta, Methods (Elsevier), Metabolites, Molecules (MDPI)
- Shorted listed for the following tenure track positions: 1st Chemical Lipidomics (University of Calgary, 2021) 2nd (BOKU, 2019), 3rd Metabolomics (University of Vienna, 2018), 2nd - Analytical Chemistry (BOKU, 2014)
- Invited senior board member of the Austrian Proteomics and Metabolomics Association (APMA)
- Invited topic editor of Molecules (MDPI)
- Coordinator of Women In Chemistry (WoChem) network at the University of Vienna and organizer of IUPAC women breakfast 2020 (external funded) and 2021, international women's day 2021
- Member of the steering committee of the Vienna Metabolomics Center (VIME) of the University of Vienna
- Main Organizer and chair of Young Analytical Forum 2018 of the Austrian Society of Analytical Chemistry (anchem.univie.ac.at/vortraege-lehrveranstaltungen/jaf-2018/, 100 participants).
- Organization of the 6th International Symposium on Metallomics, 2017 (250 participants), 28th Mass spectrometry Forum 2015, 2017, 2019 (150 participants), annual Metabolomics Seminar Series / Thermo Fisher Scientific (50 participants)
- Austrian representor at the European Metabomeeting in 2020
- Member of the International Lipidomics Society (ILS), European Federation of Science and Technology of Lipids (EFL), Austrian Society of Analytical Chemistry (ASAC), Environmental Research Network (ERN) of the University of Vienna
- Post graduate training: 1.5 years "lead, manage and develop competences" (Führen, Leiten, Kompetenzen entfalten) at the University of Vienna (competitive selection process)
- Video production: Fight the error, Communication HUB 2017 and Okto TV: <https://www.okto.tv/de/oktothek/episode/596895b1e9bcd>

Publication summary

23 papers in peer-reviewed journals (Q1) with 8 first, 5 corresponding authorships, 1 review, 2 book chapters

1 patent: WO2018007599A1

Total number of citations: 294, h-index: 10 (Scopus)

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